

## FORM PTO-1449

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION PURSUANT TO  
37 CFR §1.97 & 1.98**

Docket Number:	Serial Number:
14015-5161	
Applicant:	
Cairns, et al.	
Filing Date:	Group:

U. S. PATENT DOCUMENTS

Examiner	Initial	Patent No.	Date	Name	Class	Subcl	Filing Date	If Approp.
	/AF/	IA 6,529,545	12003	Tiirola, et al.				
	/AF/	IB 6,470,044	12002	Kowalski				
	/AF/	IC 6,101,399	12000	Raleigh, et al.				
	/AF/	ID 5,809,020	11998	Bruckert et al.				

FOREIGN PATENT DOCUMENTS

		Patent No.	Date	Name	Class	Subcl	Translation	Yes	No
	/AF/	IE WO 01/01595	12001	Wang, et al.					
	/AF/	IF EP 1 300 999	12001	Maddiutto					

OTHER DOCUMENTS (including author, title, date, pages, etc.)

/AF/	I	G	US 2003/0035468; System and Method for Adjusting Combiner Weights Using an Adaptive Algorithm In Wireless Communications Systems; Feb. 20, 2003;
/AF/	I	H	US 2002/0150176; Method and Device for the Estimation of a Propagation Channel From Its Statistics; Chevalier, et al.; Oct. 17, 2002
/AF/	I	I	US 2002/0122470; Method and Apparatus for Providing Blind Adaptive Estimator and Reception; Heikkila; Sept. 5, 2002
/AF/	I	J	US 2002/0080863; Adaptive Generalized Matched Filter RAKE Receiver System and Method; Nielsen; Jun. 27, 2002
/AF/	I	K	2002/0057735; Optimizing of Channel Equalizer; Piirainen; May 16, 2002.
/AF/	I	L	Kutz, et al.; On the Performance of a Practical Downlink CDMA Generalized RAKE Receiver; 2002 IEEE; 5 pgs.
/AF/	I	M	M Kutz, et al.; Low Complexity Implementation of a Downlink CDMA Generalized RAKE Receiver; 2002 IEEE; 5 pgs.
/AF/	I	N	N Response to Novelty Search for "Parameter Estimation in a Generalized RAKE Receiver"; 16 pgs.

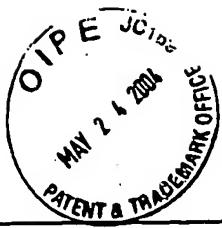
## EXAMINER

/Aristocratis Fotakis/

## DATE CONSIDERED

04/12/2007

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**FORM PTO-1449**

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION PURSUANT TO  
37 CFR §1.97 & 1.98**

Docket Number:	Serial Number:
4015-5161	10/800,167
Applicant:	
Cairns, et al.	
Filing Date:	Group:
March 12, 2004	

## U. S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

**OTHER DOCUMENTS** (including author, title, date, pages, etc.)

/AF/	I	E	US 2001/0028677; Wang et al.; Apparatus and Methods for Finger Delay
			Selection in Rake Receivers; Oct. 11, 2001
/AF/	I	F	Bottomley et al.; A Generalized RAKE Receiver for Interference Suppression;
			IEEE Journal on Selected Areas in Communications; Vol. 18, No. 8, August 2000; 10 pgs.

EXAMINER /Aristocratis Fotakis/ DATE CONSIDERED 04/12/2007

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STATEMENT BY APPLICANT**

**(Use as many sheets as necessary)**

<p>TRADE SECRETS</p> <p>Information Disclosure Statement (1449) - No person is required to provide a collection of information unless it contains a valid OMB control number.</p> <p>TRADE SECRETS Information Disclosure Statement for form 1449/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i></p>				<p><b>Complete if Known</b></p> <table border="1"> <tr> <td>Application Number</td> <td>10/800167</td> </tr> <tr> <td>Filing Date</td> <td>March 12, 2004</td> </tr> <tr> <td>First Named Inventor</td> <td>Cairns</td> </tr> <tr> <td>Art Unit</td> <td>2631</td> </tr> <tr> <td>Examiner Name</td> <td></td> </tr> </table> <p>Sheet <b>1</b> of <b>2</b> Attorney Docket Number <b>4015-5161/P18204-US1</b></p>		Application Number	10/800167	Filing Date	March 12, 2004	First Named Inventor	Cairns	Art Unit	2631	Examiner Name	
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**U. S. PATENT DOCUMENTS**

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				Application Number	10/800167
				Filing Date	March 12, 2004
				First Named Inventor	Cairns
				Art Unit	2631
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	4015-5161/P18204-US1

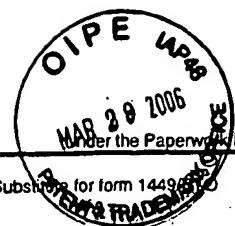
## NON PATENT LITERATURE DOCUMENTS

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1 Attorney Docket Number 4015-5161/P18204-US1

### Complete if Known

Application Number	11/800167
Filing Date	March 12, 2005
First Named Inventor	Calrns
Art Unit	2631
Examiner Name	TBA

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/AF/		CAIRNS, D. et. al., "Low Complexity Parameter Estimation For The Generalized Rake Receiver." 2004 IEEE 11 <sup>th</sup> Digital Signal Processing Workshop & IEEE Signal Processing Education Workshop. August 1-4, 2004. pp.191-195.	
/AF/		BOTTOMLEY, G. et. al., "A Generalized Rake Receiver For DS-CDMA Systems." 2000 IEEE 51 <sup>st</sup> Vehicular Technology Conference Proceedings on May 15-18 2000 in Toyko, Japan and New York, New York. May 15, 2000. pp. 941-945. Volume 2 of 3.	
/AF/		WANG, YI-PIN and BOTTOMLEY, G., "Generalized RAKE Reception for Canceling Interference from Multiple Base Stations." 2000 Vehicular Technology Conference on September 24-28, 2000 In Piscataway, New Jersey. September '24, 2000. pp. 2333-2339. Volume 5.	

Examiner Signature	/Aristocratis Fotakis/	Date Considered	04/12/2007
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				Application Number	10/800167
				Filing Date	March 12, 2004
				First Named Inventor	Calrns
				Art Unit	2631
				Examiner Name	TBA
Sheet	1	of	1	Attorney Docket Number	
4016-5161/P18204-US1					

## U. S. PATENT DOCUMENTS

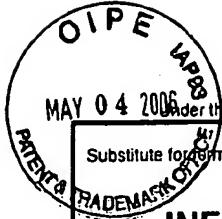
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

***(Use as many sheets as necessary)***

				Examiner Name	TBD
Sheet	1	of	1	Attorney Docket Number	4015-5161/P18204-US1

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Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/AF/		LENARDI, M. and SLOCK, D., "A RAKE Structured SINR Maximizing Mobile Receiver for the WCDMA Downlink." In Proc. 31 <sup>st</sup> Asilomar Conference on Signals, Systems and Computers, 2001, pp. 410-414.	
/AF/		JAROSCH, A. and DAHLHAUS, D., "Linear Space-Time Diversity Receivers for the Downlink of UMTS with WCDMA." European Trans. Telecommunications, September/October 2001, 13 pages, Volume 12. No. 5. (Preprint Copy Enclosed and Available at <a href="http://www.nari.ee.ethz.ch/mobileradio/pubs/files/ett01.pdf">http://www.nari.ee.ethz.ch/mobileradio/pubs/files/ett01.pdf</a> )	

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